

ABSTRACT

An axial shaft seal disposed between a housing wall and a rotating shaft includes an outer ring insertable into the housing wall in a stationary and sealing manner and an inner ring connectable to the shaft in a non-twisting and sealing manner. The outer ring includes a sleeve having a polymer material extending radially inward and having a spring bellows form. A radially inward end portion of the sleeve has a first sealing surface. The inner ring includes a ring flange extending radially outward so as to provide a second sealing surface for axially mating the first sealing face.